

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of work: Estimate for Providing Children Playing Equipments at Sai Garden, Singapura Paradise and Lakkappa Layout in Ward No. 11 (Kuvempunagara) in Vidyaranyapura Sub Division.

		Estimate Cost Rs.						1500000.00	
SI No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300 - Excavation for road, drains and similar works KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 Page No. 142 / Item No. 19.1, PWD SR 2016-17	Cum							
			2	10.00	0.70	0.60	8.40		
			2	8.00	0.70	0.60	6.72		
							15.12	199.36	3014.00
	Basic Rate	82.00							
	Add loading and unloading Charges It No 17.1 KSRRB M 100-1	68.00							
	Average weight of earth 1.28 tonne / kg for 11.90 Km = 1.28 T X 11.90Km X 2.5 / km= 38.08	38.08							
		188.08							
	Area Weightage @6%	11.28							
	Total	199.36							
2	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation , including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. Page No.12, Item No. 4.3 of PWD SR 2016-17	Cum							
			2	10.00	0.70	0.15	2.10		
			2	8.00	0.70	0.15	1.68		
							3.78	5159.02	19501.00
	Basic Rate	4867.00							
	Area Weightage @ 6%	292.02							
	Total	5159.02							
3	KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 Page No. 23 / Item No. 5.6, PWD SR 2016-17	Cum							

SI No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
			2	10.00	0.60	0.45	5.40		
			2	8.00	0.60	0.45	4.32		
							9.72	4438.22	43139.00
	Basic Rate	4187.00							
	Area Weightage @ 6%	251.22							
	Total	4438.22							
4	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6 , edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 Page No. 23 / Item No. 5.9, PWD SR 2016-17	Cum							
			2	10.00	0.45	0.45	4.05		
			2	8.00	0.45	0.45	3.24		
							7.29	5305.30	38676.00
	Basic Rate	5005.00							
	Area Weightage @ 6%	300.30							
	Total	5305.30							
5	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregates @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills , ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. Page No.12, Item No. 4.6 PWD SR 2016-17	Cum							
			2	10.00	0.45	0.10	0.90		
			2	8.00	0.45	0.10	0.72		
							1.62	5767.46	9343.00
	Basic Rate	5441.00							
	Area Weightage @ 6%	326.46							
	Total	5767.46							
6	KSRRB M2100-9. Sand Filling in Foundation Trenches as per Drawing & Technical SpecificationMORTH Specification No. 304 Item No. 27.17 Page No. 217, PWD SR 2016-17	Cum							
			1	9.10	7.10	0.30	19.38		
							19.38	2922.42	56645.00
	Basic Rate	2757.00							
	Area Weightage @ 6%	165.42							
	Total	2922.42							

SI No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
7	Providing and laying/fixing cement base, precast, pre polished cement concrete, designer tiles 25mm thick for flooring conforming to IS 1237 heavy duty tiles for flooring, treads of steps and landing, laid on a bed of 12mm thick cement mortar 1:3 mis finished with flush pointing using white cement, including cost of materials, including cutting, griding the edge to half/full round wherever required, labour, curing complete as per specification. P.No. 109, I.No. 14.62 of PWD SR 2016-17	Sqm							
			2	10.00	0.45		9.00		
			2	8.00	0.45		7.20		
							16.20	1150.10	18632.00
	Basic Rate	1085.00							
	Area Weightage @ 6%	65.10							
	Total	1150.10							
8	Providing Children play standard Sea Saw Seater Equipment : This equipment is made up of main beam 50mm MS pipe 'A' class of length 98mtr with two handles welded at the ends as a hand are made of 20mm 'A' class pipe. The main beam is pivoted to the bottom supports of 40mm MS pipes by bush bearing clamped by pivot joints which swivel over 28mm dia steel shaft which gets installed in the ground by meas of concrete 2 Nos. seats are made of 250 mm x 200 mm x 18 SWG MS sheets with T hand rest at the front. Air pipe are if ISI grade. All the pipes are painted with two coats of super set paint over a coat of protective Zinc chromate yellow oxide including fixing the play equipments in CC 1:2:4, curing etc., complete with all lead, lift, loading, unloading and any other incidental charges and as per the draing and specification and direction of the engineer in charge of the work.	Each							
			3				3		
							3	28000.00	84000.00
9	Providing Children play Merry-go-Round equipment : Made of MS 'A' Class pipes. Main pillars in 100 mm dia fitted with shaft and two bearing the other cross members are in 25 & 20 mm MS A Class pipe the bottom ring is made out of 25mm of ring size is 1.20 mts dia fitted with four seats are in mental sats if 250 x 200 x 18 SWG handles are made out of 20mm NB pipes and othe supports are in 25mm MS 'A' Class pipes. All the pipes are painted with two coats of super set paint over a coat of protective Zinc chromate yellow oxide including fixing the play equipments in CC 1:2:4, curing etc., complete with all lead, lift, loading, unloading and any other incidental charges and as per the draing and specification and direction of the engineer in charge of the work.	Each							
			3				3		

SI No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
							3	28000.00	84000.00
10	Providing Children Play 2 - Seater Swing : This Swing consists of 2 Nos, seat of solid fibbed FP of size 480 mm x 180 mm x 3.5 mm supported by MS chains. The chains are supported by circular housing with bearing from which the chain is suspended. The main beam is of 50 mm MS 'A' class pipe Size of MS chain 30 mm x 20 mm x 5mm thick The 2 Nos inverted 'V' beams are of 50 mm 'A' class pipes secured at the top the main beam by means of CI castings (Heavy duty for elders) All pipes are of ISI grade all the pipes are painted with two coats of super set painting over a coat of protective Zinc chromate yellow oxide including fixing the play equipments in CC 1:2:4, curing etc., complete with all lead, lift, loading, unloading and any other incidental charges and as per the drawing and specification and direction of the engineer in charge of the work.	Each							
			3				3		
							3	46000.00	138000.00
11	Providing Children Play Standard Swing : This Swing consists of 2 Nos, seat of solid fibbed FP of size 480 mm x 180 mm x 3.5 mm supported by MS chains. The chains are supported by circular housing with bearing from which the chain is suspended. The main beam is of 50 mm MS 'A' class pipe Size of MS chain 30 mm x 20 mm x 5mm thick The 2 Nos inverted 'V' beams are of 50 mm 'A' class pipes secured at the top the main beam by means of CI castings (Heavy duty for elders) All pipes are of ISI grade all the pipes are painted with two coats of super set painting over a coat of protective Zinc chromate yellow oxide including fixing the play equipments in CC 1:2:4, curing etc., complete with all lead, lift, loading, unloading and any other incidental charges and as per the drawing and specification and direction of the engineer in charge of the work.	Each							
			3				3		
							3	56000.00	168000.00
12	Duck wheel	Each							
			3				3		
							3	68000.00	204000.00
13	Mini Wheel	Eac							
			3				3		
							3	23000.00	69000.00
14	Duck Swing (2 seater)	Each							
			3				3		
							3	56000.00	168000.00

SI No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
15	FRP Mini Slide	Each	3				3	23000.00	69000.00
16	Mini Slide	Each	3				3	16000.00	48000.00
17	Jack Frame	Each	3				3	14000.00	42000.00
18	Nest	Each	3				3	24000.00	72000.00
19	Bear	Each	3				3	19000.00	57000.00
20	Spring Duck	Each	3				3	36000.00	108000.00
	Add for unforeseen and rounding off	L/S							50.00
							Total		1500000.00

Rupees Fifteen Lakh(s) Only

Certificate:

- 1 The work spot has been inspected and the work is found necessary.
- 2 This estimate is prepared as per Approved Rates.
- 3 The provisions were made in this estimate are necessary and adequate.
- 4 This works come under B.B.M.P. limits.

Assistant Engineer
Ward No. 11

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranyapura Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

Administrative Approval
Accorded For 15.00 lakh Rs.
Head of A/C P-1771
CER NO: 155 Dt: 12-01-17

TA CE (YNK)

TECHNICAL SANCTION	
Accorded For	Fifteen Lacks only
Head of A/C	P-1771
Div. Ref. No.	144/16-17
Date	12/01/17
EE(BTP)	